



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

July 26, 2018

Mr. Dave Shelow & Ms Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 07/16/18 11:05 through 07/17/18 10:06.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Fifth Ward Elementary School	8071625-01	Air	07/12/18 14:59	07/16/18 11:05
Fifth Ward Elementary School	8071625-02	Air	07/12/18 14:59	07/16/18 11:05
Levee	8071625-03	Air	07/12/18 14:55	07/16/18 11:05
East St. John the Baptist High	8071625-04	Air	07/12/18 14:42	07/16/18 11:05
Ochsner Hospital	8071625-05	Air	07/12/18 14:46	07/16/18 11:05
238 Chad Baker	8071625-06	Air	07/12/18 15:03	07/16/18 11:05
Acorn and Hwy 44	8071625-07	Air	07/12/18 14:52	07/16/18 11:05
Levee	8071710-01	Air	07/15/18 13:32	07/17/18 10:06
East St. John the Baptist High	8071710-02	Air	07/15/18 13:15	07/17/18 10:06
Acorn and Hwy 44 C1	8071710-03	Air	07/15/18 13:27	07/17/18 10:06
Acorn and Hwy 44 C2	8071710-04	Air	07/15/18 13:27	07/17/18 10:06
238 Chad Baker	8071710-05	Air	07/15/18 13:38	07/17/18 10:06
Fifth Ward Elementary School	8071710-06	Air	07/15/18 13:35	07/17/18 10:06
Ochsner Hospital	8071710-07	Air	07/15/18 13:19	07/17/18 10:06



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8071625-01

Sampled: 07/12/18 14:59

Pressure @ Receipt: 8.50" Hg

Canister #: SAT044

Received: 07/16/18 11:05

Comments: Col 1 PR-17 Start 14:40 7/11/18

Analyzed: 07/20/18 20:18

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8071625-02

Sampled: 07/12/18 14:59

Pressure @ Receipt: 10.00" Hg

Canister #: A21099

Received: 07/16/18 11:05

Comments: Col 2 PR-8 Start 14:40 7/11/18

Analyzed: 07/20/18 22:23

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8071625-03

Sampled: 07/12/18 14:55

Pressure @ Receipt: 7.50" Hg

Canister #: 19278

Received: 07/16/18 11:05

Comments: PR-10 Start 14:36 7/11/18

Analyzed: 07/21/18 00:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.201	0.73		0.0129



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REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8071625-04

Sampled: 07/12/18 14:42

Pressure @ Receipt: 8.00" Hg

Canister #: 5115

Received: 07/16/18 11:05

Comments: PR-22 Start 13:57 7/11/18

Analyzed: 07/21/18 01:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8071625-05

Sampled: 07/12/18 14:46

Pressure @ Receipt: 8.50" Hg

Canister #: 5148

Received: 07/16/18 11:05

Comments: PR-18 Start 14:05 7/11/18

Analyzed: 07/21/18 02:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	CE, U	0.0129



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REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8071625-06

Sampled: 07/12/18 15:03

Pressure @ Receipt: 7.50" Hg

Canister #: 19643

Received: 07/16/18 11:05

Comments: PR-24 Start 14:43 7/11/18

Analyzed: 07/21/18 03:35

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 8071625-07

Sampled: 07/12/18 14:52

Pressure @ Receipt: 9.00" Hg

Canister #: 5103

Received: 07/16/18 11:05

Comments: PR-14 Start 14:33 7/11/18

Analyzed: 07/21/18 04:37

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.226	0.82		0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8071710-01

Sampled: 07/15/18 13:32

Pressure @ Receipt: 9.00" Hg

Canister #: 19284

Received: 07/17/18 10:06

Comments: PR-17 Start 13:23 7/14/18

Analyzed: 07/21/18 05:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8071710-02

Sampled: 07/15/18 13:15

Pressure @ Receipt: 8.00" Hg

Canister #: 19644

Received: 07/17/18 10:06

Comments: PR-22 Start 13:09 7/14/18

Analyzed: 07/21/18 06:42

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C1

Lab ID: 8071710-03

Sampled: 07/15/18 13:27

Pressure @ Receipt: 9.00" Hg

Canister #: 18810

Received: 07/17/18 10:06

Comments: Col 1 PR-14 Start 13:20 7/14/18

Analyzed: 07/21/18 07:44

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.486	1.76		0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C2

Lab ID: 8071710-04

Sampled: 07/15/18 13:27

Pressure @ Receipt: 10.00" Hg

Canister #: A21102

Received: 07/17/18 10:06

Comments: Col 2 PR-8 Start 13:20 7/14/18

Analyzed: 07/21/18 09:50

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.522	1.89		0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8071710-05

Sampled: 07/15/18 13:38

Pressure @ Receipt: 9.00" Hg

Canister #: 5013

Received: 07/17/18 10:06

Comments: PR-24 Start 13:30 7/14/18

Analyzed: 07/21/18 11:55

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8071710-06

Sampled: 07/15/18 13:35

Pressure @ Receipt: 8.50" Hg

Canister #: A21088

Received: 07/17/18 10:06

Comments: PR-10 Start 13:27 7/14/18

Analyzed: 07/21/18 12:57

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8071710-07

Sampled: 07/15/18 13:19

Pressure @ Receipt: 8.00" Hg

Canister #: 407

Received: 07/17/18 10:06

Comments: PR-18 Start 13:13 7/14/18

Analyzed: 07/21/18 14:00

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.0654	0.24		0.0129



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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B8G2004 - Summa Canister Prep

Blank (B8G2004-BLK1)

Prepared & Analyzed: 07/20/18

Chloroprene	ND	ppbv				U
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Duplicate (B8G2004-DUP1)

Source: 8071625-01 Prepared: 07/12/18 Analyzed: 07/20/18

Chloroprene	ND	ppbv	ND		25	U
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Duplicate (B8G2004-DUP2)

Source: 8071625-02 Prepared: 07/12/18 Analyzed: 07/20/18

Chloroprene	ND	ppbv	ND		25	U
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Duplicate (B8G2004-DUP3)

Source: 8071710-03 Prepared: 07/15/18 Analyzed: 07/21/18

Chloroprene	0.475	ppbv	0.49	2.23	25	
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Duplicate (B8G2004-DUP4)

Source: 8071710-04 Prepared: 07/15/18 Analyzed: 07/21/18

Chloroprene	0.500	ppbv	0.52	4.40	25	
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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1806019

Initial Cal Check (1806019-ICV1)

Prepared: 06/08/18 Analyzed: 06/09/18

Chloroprene	2.53	ppbv	2.7	30.00
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Sequence 1807056

Calibration Check (1807056-CCV1)

Prepared & Analyzed: 07/20/18

Chloroprene	2.74	ppbv	11.4	30.00
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FILE #: 0344.00

REPORTED: 07/26/18 12:32

SUBMITTED: 07/16/18 to 07/17/18

AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
CE	Not reportable due to a co-eluting compound.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.